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Carbonyl sulfide (CASRN 463-58-1)

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Reference Dose for Chronic Oral Exposure (RfD)



0617

Carbonyl sulfide; CASRN 463-58-1

Health assessment information on a chemical substance is included in IRIS only after a comprehensive review of chronic toxicity data by U.S. EPA health scientists from several Program Offices and the Office of Research and Development. The summaries presented in Sections I and II represent a consensus reached in the review process. Background information and explanations of the methods used to derive the values given in IRIS are provided in the Background Documents.

STATUS OF DATA FOR Carbonyl sulfide

File First On-Line 11/01/1991

Category (section)	Status	Last Revised
Oral RfD Assessment (I.A.)	no data	
Inhalation RfC Assessment (I.B.)	message	11/01/1991
Carcinogenicity Assessment (II.)	no data	

I. Chronic Health Hazard Assessments for Noncarcinogenic Effects

I.A. Reference Dose for Chronic Oral Exposure (RfD)

Substance Name -- Carbonyl sulfide
CASRN -- 463-58-1

Not available at this time.

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I.B. Reference Concentration for Chronic Inhalation Exposure (RfC)

Substance Name -- Carbonyl sulfide
CASRN -- 463-58-1

The health effects data for carbonyl sulfide were reviewed by the U.S. EPA RfD/RfC Work Group and determined to be inadequate for the derivation of an inhalation RfC. The verification status for this chemical is currently not verifiable. No EPA documentation presently exists for this chemical.

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Agency Work Group Review -- 09/12/1991

Screening-Level Literature Review Findings -- A screening-level review conducted by an EPA contractor of the more recent toxicology literature pertinent to the RfC for Carbonyl sulfide conducted in September 2002 did not identify any critical new studies. IRIS users who know of important new studies may provide that information to the IRIS Hotline at hotline.iris@epa.gov or (202)566-1676.

- [Dose-Response Data](#)
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EPA Contacts:

Please contact the IRIS Hotline for all questions concerning this assessment or IRIS, in general, at (202)566-1676 (phone), (202)566-1749 (FAX) or hotline.iris@epa.gov (internet address).

[Quantitative Estimate of Carcinogenic Risk from Inhalation Exposure](#)

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II. Carcinogenicity Assessment for Lifetime Exposure

Substance Name -- Carbonyl sulfide
CASRN -- 463-58-1

This substance/agent has not undergone a complete evaluation and determination under US EPA's IRIS program for evidence of human carcinogenic potential.

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VI. Bibliography

Substance Name -- Carbonyl sulfide
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VI.A. Oral RfD References

None

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VI.B. Inhalation RfC References

None available

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VI.C. Carcinogenicity Assessment References

None

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_VII. Revision History

Substance Name -- Carbonyl sulfide
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Date	Section	Description
10/01/1991	I.B.	Inhalation RfC now under review
11/01/1991	I.B.	Inhalation RfC message on-line
11/01/1991	VI.	Bibliography on-line; no RfC references available
04/01/1997	III., IV., V.	Drinking Water Health Advisories, EPA Regulatory Actions, and Supplementary Data were removed from IRIS on or before April 1997. IRIS users were directed to the appropriate EPA Program Offices for this information.
12/03/2002	I.B.	Screening-Level Literature Review Findings message has been added.

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_VIII. Synonyms

Substance Name -- Carbonyl sulfide
CASRN -- 463-58-1
Last Revised -- 11/01/1991

463-58-1
Carbon oxide sulfide
Carbonyl sulfide
CARBON MONOXIDE MONOSULFIDE
CARBON OXIDE SULFIDE
Carbon oxysulfide
CARBONYL SULFIDE-(sup 32)S
CARBONYL SULFIDE-(32)S
HSDB 6127
OXYCARBON SULFIDE
Sulfure de carbonyle [French]
Sulfuro de carbonilo [Spanish]

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Last updated on Thursday, November 18th, 2004
URL: <http://www.epa.gov/iris/subst/0617.htm>